MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2016/2017

PCG0023 – COMPUTER GRAPHICS 2

(All sections / Groups)

24 FEBRUARY 2017
3.00 PM – 5.00 PM
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 21 pages (including this cover page).
2. **ANSWER COMPULSORY QUESTION (SECTION A) AND CHOOSE TWO OUT OF FOUR QUESTIONS (SECTION B) NOT ALL**
3. Please write your answers in Question Paper.

SECTION A **(60 Marks)**
Answer ALL the questions.

1. The shortcut to create a New file
   A. CTRL + Z
   B. CTRL + N
   C. CTRL + O
   D. CTRL + P

2. The typical size for graphic design is measured in
   A. Pixels
   B. Inches
   C. Points
   D. Millimeters

3. When you create a new layer, where does the new layer appear?
   A. On a new document
   B. In the recycle bin
   C. Below the active layer
   D. Above the active layer

4. The entire area you see on the screen is called
   A. the workspace
   B. the page
   C. the monitor
   D. the system unit

5. The shortcut to open a file is
   A. CTRL + O
   B. CTRL + P
   C. CTRL + N
   D. CTRL + Z

6. When an area is selected, using the magic wand, what modifier key do you use to cut out the background?
   A. Ctrl
   B. Shift
   C. Alt
   D. Space bar

7. The moving dotted lines around a selection are called _____.
   A. Marching cockroaches
   B. Marching ladybugs
   C. Marching bumblebees
   D. Marching ants

Continued...

8. To deselect a selection
   A. Right-click
   B. Select --> Deselect
   C. Both A & B
   D. None of the Above

9. To fill a canvas with color
   A. Edit --> Fill -->
   B. Contents Edit -->
   C. Transform File -->
   D. New None of the Above

10. To "fine tune" your selection, what tool can you use?
   A. Edit Lasso
   B. Quick Mask
   C. Edit Mask
   D. Eraser

11. Resolution refers to
   A. The number of dots (pixels) on the screen
   B. The size of the image
   C. The type of image
   D. None of the above

12. The "highest" resolution for best resolution on screen is
   A. 72
   B. 96
   C. 180
   D. 300

13. To view 2 documents at once on your screen
   A. Window --> Arrange --> 2-Up Vertical
   B. Window --> Workspace --> Reset Essentials
   C. Window --> Arrange --> Consolidate All to Tabs
   D. None of the Above

14. To close a file:
   A. Click on the red "X" in the upper right corner of the screen
   B. Unplug the computer
   C. First, save it! Then, File --> Close
   D. None of the Above

Continued...

15. To reset the size of text using the Text tool:
    A. Highlight the text and type a number to indicate text size
    B. Right-click Type --> Open
    C. Type --> Stylistic Alternatives
    D. Click the text size in the Options bar & enter a value

16. To crop a photo:
    A. Select the crop tool, drag to the desired spot & press Enter
    B. Add a layer, resize accordingly
    C. Zoom in, highlight the area and then hit Delete
    D. None of the Above

17. What tool will help eliminate dead space in a photograph or image?
    A. Crop tool
    B. Move tool
    C. Gradient tool
    D. None of the Above

18. To change the foreground color
    A. Edit --> Fill --> Color
    B. Double-click the Foreground color tool, select new color
    C. Right-click on the image, select the color
    D. None of the Above

19. To open a new file in Photoshop, you can…
    A. Choose File > Open from the drop-down menu
    B. Choose File > New from the drop-down menu
    C. Press CTRL + O on the keyboard
    D. All of the above

20. When would you use Filters in Photoshop?
    A. To adjust the style of an image
    B. To soften the colors of an image
    C. To distort an image
    D. All of the Above

21. What do you do when the Layers panel "disappears"?
    A. Help --> System Info
    B. View --> Screen Mode --> Standard Screen Mode
    C. Window --> Workspace --> Reset Essentials
    D. None of the Above

Continued…

22. Where is the Blending Mode menu?
A. The Adjustments Panel
B. The Layers Panel
C. There is no "Blending Mode" option
D. In the Top Menu

23. How do you select more than one Layer in the Layers panel?
A. Right-click on the Layer
B. Double-click on the Layer
C. Hold down the SHIFT key while selecting multiple layers
D. CTRL + C

24. The Tool bar is located . . .
A. To the Left of the workspace
B. To the Right of the workspace
C. In the properties option
D. In sub-menu option

25. By definition, a _____ is the combining of two images together to create a third image.
A. Layering
B. Merging
C. Flattening
D. Compositing

26. You can hold down the _____ key and the letter keystroke to see hidden tools.
A. Alt
B. Control
C. Tab
D. Shift

27. The tool that lets you select an area of an image and then paint with that area is called?
A. Eyedropper
B. Brush
C. Clone Stamp Tool
D. Patch Tool

28. What does dpi stand for?
A. Damage per increment
B. Dots per integer
C. Dots per increment
D. Dots per inch

Continued...

29. What does it mean to "crop" an image?
A. Cut off excess (extra unneeded) parts of the image
B. Darken a picture
C. Move an image to another image
D. Change the resolution

30. Setting the Tool Option Bar Setting for the magic wand will determine how much or how little an area of selection will be made.
A. Opacity
B. Blending mode
C. Pressure
D. Tolerance

31. When using a selection tool, if I want to ADD to the current selection, I should hold the _____ key while selecting.
A. Option
B. Control
C. Z
D. Shift

32. 0% opacity is called _____, and 100% opacity is called _____.
A. Transparent, opaque
B. Opaque, transparent
C. Invisible, visible
D. None of the above

33. Which tool can with one click of the mouse, select an entire area of a continuous color?
A. Eye Dropper Tool
B. Lasso Tool
C. Magic Wand Tool
D. Polygonal Lasso Tool

34. What type of selection is made so that the previously unselected part of the image is selected?
A. Modified
B. Inverse
C. Selected
D. Inverted

Continued...

35. Drop shadow, inner glow and bevel are examples of _____ you need to use with text.
A. filters
B. blending options
C. image adjustments
D. layer modes

36. Of the 4 Keys Components to a Great Graphic which one would include a number?
A. Design Elements
B. Solid Layout
C. Typography
D. Color Scheme

37. _____ is the range of color.
A. Hue
B. Contrast
C. Vividness
D. Saturation

38. If your selection edges (those "marching ants") become distracting or annoying, how can you hide them from your view?
A. Press Ctrl-H/Cmd-H
B. View > Extras
C. View > Show > Selection Edges
D. All of the Above

39. The technique with this tool involves taking pixels from one location and moving them to another location.
A. Patching
B. Selecting
C. Cloning
D. Moving

40. Quickly removes blemishes and imperfections from photographs with a uniform background.
A. Paint Bucket tool
B. Spot Healing Brush tool
C. Sharpen tool
D. Brush tool

41. Resolution is a measurement of pixels per square inch.
A. TRUE
B. FALSE

Continued...

42. The Control keystroke can be held down when you're using the Elliptical tool to make a perfect circle.
A. TRUE
B. FALSE

43. White areas in a layer mask permit pixels to be seen, black areas hide pixels, and gray areas hide pixels partially.
A. TRUE
B. FALSE

44. There is a feathering setting for the marquee tool.
A. TRUE
B. FALSE

45. The image size and the canvas size are essentially the same thing in a photoshop file.
A. TRUE
B. FALSE

46. The transparency setting of adjustment layers level of opacity can be control.
A. TRUE
B. FALSE

47. The pixel size and the document size are essentially the same thing in a photoshop file.
A. TRUE
B. FALSE

48. When you drag and drop a selection of pixels from one document to another it creates a layer mask in the target document.
A. TRUE
B. FALSE

49. Pixels are small squares on a computer screen that reflect light.
A. TRUE
B. FALSE

50. The image adjustment of Curves can take RGB input tones and selectively stretch or compress them.
A. TRUE
B. FALSE

51. Magic Wand tool → selects similarly colored areas
A. TRUE
B. FALSE

Continued...

52. To create a layer mask, start with a selection of the area. At the bottom of the Layers panel, click the Add Layer Mask button.
A. TRUE
B. FALSE

53. White areas in a layer mask permit pixels to be seen, black areas hide pixels, and gray areas hide pixels partially.
A. TRUE
B. FALSE

54. Once you build the layers in your artwork (image/photo), you cannot rearrange them.
A. TRUE
B. FALSE

55. Control + M allows you to merge two or more layers together.
A. TRUE
B. FALSE

56. You can use Photoshop to create graphics for slide shows, video presentations, etc…
A. TRUE
B. FALSE

57. Resolution is associated with image quality, resizing may have a negative effect on appearance.
A. TRUE
B. FALSE

58. Changing the width and/or height of an image does not affect its resolution.
A. TRUE
B. FALSE

59. When inspecting an image for quality, you should view it at 100% or smaller.
A. TRUE
B. FALSE

60. It is possible to Duplicate a Layer from one document to another document.
A. TRUE
B. FALSE

Continued…

SECTION B **(40 Marks)**
Choose TWO out of FOUR Questions

QUESTION 1 **(20 points)**

The following questions are based on the following standard **Adobe Photoshop CC Tools** :

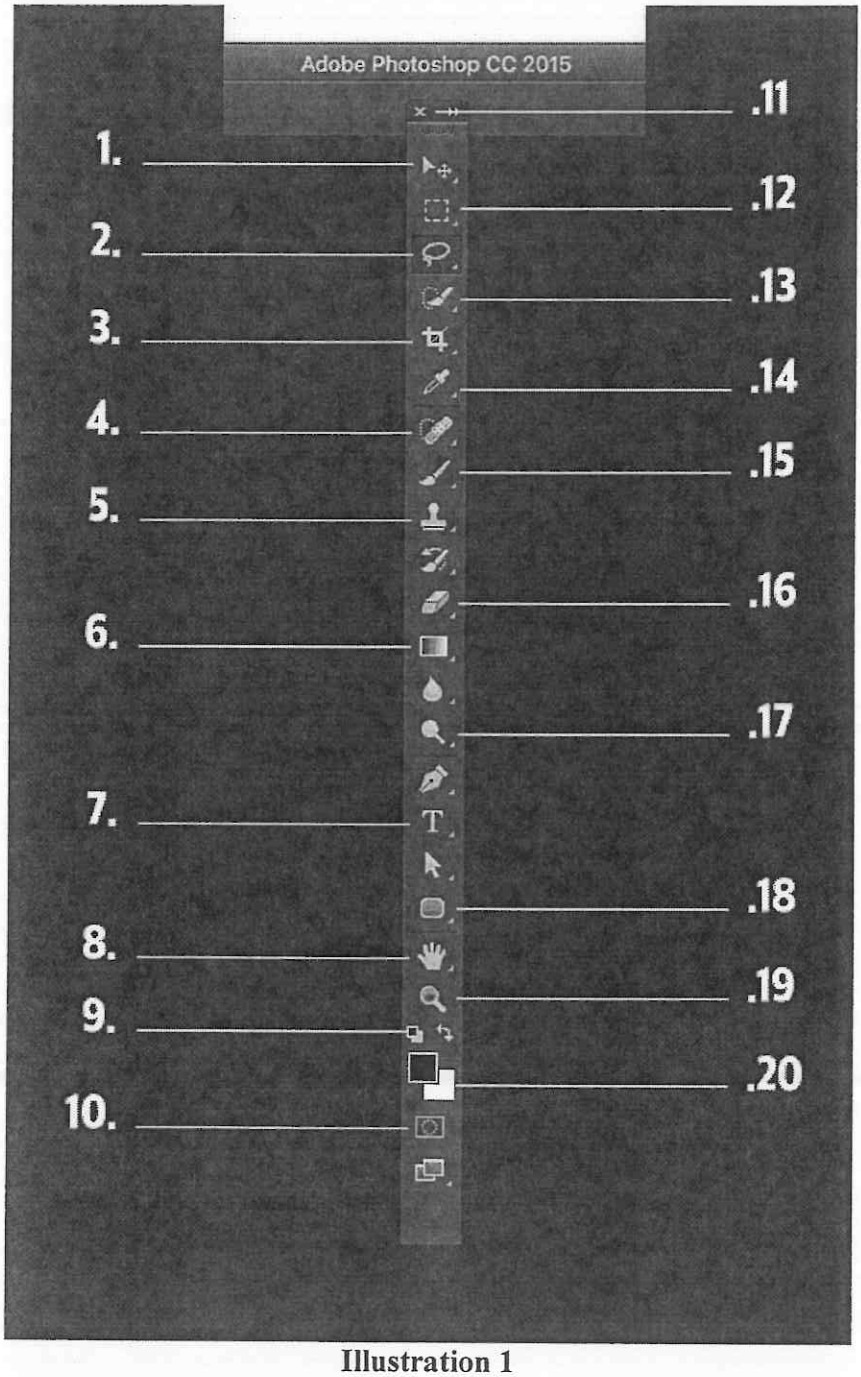

Illustration 1

Continued...

Illustration 1 is captured from the tool of Adobe Photoshop CC. **Answer ALL.**

1. What is the name of this tool? (1 point)

   Answer : _____

2. What is the name of this type of selection tool? (1 point)

   Answer : _____

3. What is the name of this tool? (1 point)

   Answer : _____

4. What is the shortcut for tool #4. (1 point)

   Answer : _____

5. This tool goes by two names. Choose one. (1 point)

   Answer : _____

Continued...

6. There are three tools in this section, but the one showing is called? (1 point)

Answer : _____

7. What is the name of this tool? (1 point)

Answer : _____

8. What is the name of this tool? (1 point)

Answer : _____

9. The use of this tool is for…? (1 point)

Answer : _____

10. The use of this tool is for…? (1 point)

Answer : _____

11. What is the name of this tool? (1 point)

Answer : _____

Continued…

12. What type of selection tool is this? (1 point)

Answer : _____

13. What is the name of this tool? (1 point)

Answer : _____

14. What is the name of this particular tool? (1 point)

Answer : _____

15. What is the name of this tool? (1 point)

Answer : _____

16. What is the shortcut key for #16 (1 point)

Answer : _____

17. There are three tools in this one. Name the one showing. (1 point)

Answer : _____

Continued...

18. What is the shortcut for tool #18. (1 point)

Answer : _____

19. The use of this tool is for…? (1 point)

Answer : _____

20. This tool #20 is called? (1 point)

Answer : _____

Continued…

QUESTION 2 **(20 points)**

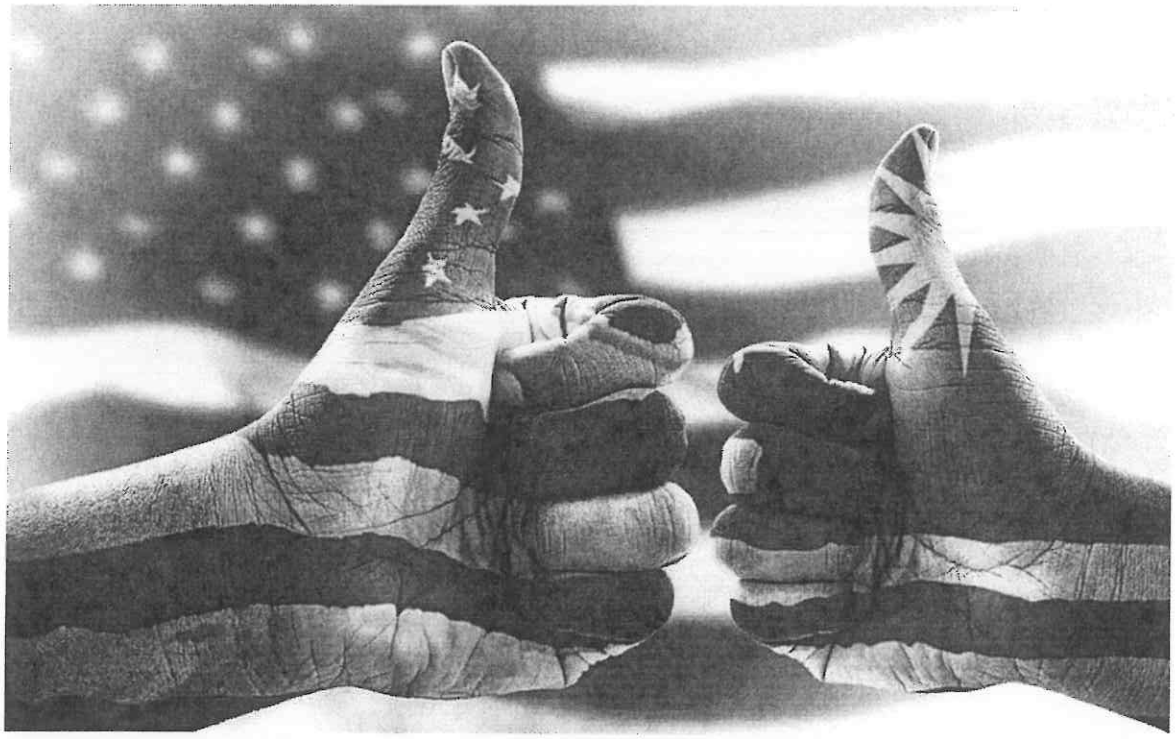

Illustration 2

The following questions are based on the following **Compositing Image using Displacement Map Techniques** :

Illustration 2 is captured from the basic learning of understanding the image compositing with displacement maps techniques and effects. All questions are **NOT** in sequence steps.

2.01 How do you **apply the Soft Blur effect** for the background layer? (2 points)

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2.02 This technique required Masking or combination with Refine Edge features. What is the **shortcut key for Masking Mode** tool? (2 points)

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2.03 The steps of converting image to Black and White. **On which menu** is the Black and White located. (2 points)

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2.04 **Which Blur** filters are required for this technique? (2 points)

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2.05 **Name the filter**, that is required applying to create texture-mapping flow on the subject element? (2 points)

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2.06 Which **Save Format** should you use to save the black and white image for texture mapping? (2 points)

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2.07 How to create **Layer Mask**? (2 points)

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Continued...

2.08 What is the shortcut for "**Free Transform Tool**". (2 points)

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2.09 One of the steps requires converting an image into Black and White. How do you make-it **Deep Contrast** for Black and White image? (2 points)

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2.10 **Why do we need to make it** more Contrast for Black and White image? (2 points)

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Continued...

QUESTION 3 **(20 points)**

The following question is based on the Basic of Image Editing.

3.1 Basic Standard Adobe Photoshop Tool Short Cut

a. Keyboard [W] short-cut for > ..... (2 points)

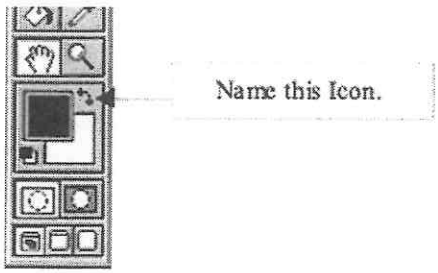
b. Keyboard [Z] short-cut for > ..... (2 points)

c. Keyboard [M] short-cut for > ..... (2 points)

d. Keyboard [D] short-cut for > ..... (2 points)

e. Keyboard [T] short-cut for > ..... (2 points)

Referring to the Illustration below, please fill in the blank below



f. Name the icon tool as shown in the above illustration.

..... (2 points)

Continued...

3.2. The following questions are based on the understanding of Digital Imaging File image editing process using Adobe Photoshop. Please describe in detail **How to modify one image from one layer to another layer?** (8 points)

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Continued...

QUESTION 4 **(20 points)**

1. What is the first step of retouching an image? **(2 points)**

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2. Three tools you can use to remove blemishes are....? **(2 points)**

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3. To change a layer's opacity will alter... **(2 points)**

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4. Layer effects allow you to apply _____ type of effects to a layer. **(2 points)**

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5. If you are trying to move an image on a document and it isn't moving, what might be the problem? **(2 points)**

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6. What does the clone stamp tool do? **(2 points)**

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7. What two buttons do you press to make an image on a document bigger or smaller? **(2 points)**

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8. The word pixel is derived from these words ____. **(2 points)**

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9. What can you use to make a type standout in a design? **(2 points)**

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10. What does a jpeg file do? **(2 points)**

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End of Paper.